

**Commonwealth of Kentucky
Environmental and Public Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382**

AIR QUALITY PERMIT

Issued under 401 KAR 52:030

Permittee Name: Bluegrass Station Division
Mailing Address: Bluegrass Station Division,
Kentucky Department of Military Affairs
5751 Briar Hill Road
Lexington, Kentucky 40516-9721

Source Name: Bluegrass Station Division
Mailing Address: Same as above

Source Location: 5751 Briar Hill Road
Lexington, Kentucky 40516-9721

Permit Number: F-03-029
Log Number: 55963
Review Type: Conditional Major / Synthetic Minor
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Regional Office: Frankfort Regional Office
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**John S. Lyons, Director
Division for Air Quality**

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SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first having submitted a complete application and received a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:030, Federally-enforceable permits for non-major sources.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

SECTION B - AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

EP01

Helicopter Paint Booth

Description: Paint booth with one HVLP paint gun and one Electrostatic paint gun.

Control Equipment: XFP-6000 Paint Overspray System for control of particulates (three stage). Permanent Total Enclosure with Activated carbon adsorption for control of VOCs.

Date Constructed: October, 2003

New Media Blasting Booth

Description: NA

APPLICABLE REGULATIONS:

401 KAR 59:010 – New process operations applicable to each emission unit, which commenced construction on or after July 2, 1975.

401 KAR 63:020 – Potentially Hazardous Matter and Toxic Substance Emissions, applies to the potentially hazardous matter and toxic substance emissions from affected facilities.

1. Operating Limitations:

A. The following limits shall apply to assure compliance with Emission Limitations A and B:

1. Filters shall be in place at all times when a machine is applying paint.
2. Filters shall be replaced when determined to be inefficient (as determined through pressure drop reading by continuous monitoring system).
3. The units shall be operated and maintained in accordance with the manufacturer's recommendations unless otherwise allowed in this permit.

B. The operating limits for the VOC control system shall include the following:

1. The programmable VOC Operator Interface shall be set so that VOC sampling occurs once per hour of operation until the warning level is approached.
2. Spraying and drying shall not continue in a danger or high alarm condition.
3. The VOC control system shall be operated and maintained in accordance with the manufacturer's recommendations unless otherwise allowed in this permit.

C. The following operating limits shall apply to the permanent total enclosure (PTE) system:

1. The permittee shall develop and implement a written startup, shutdown and malfunction plan. The plan must address the corrective actions to be taken in the event of a malfunction of the emission capture system or the add-on control device.
2. The direction of the air flow at all times must be into the enclosure; and in any 3-hour period, either the average facial velocity of air through all natural draft openings in the enclosure must be at least 200 feet per minute, OR the pressure drop across the enclosure must be at least 0.007 inches of H₂O, as established in Method 204 of appendix M to 40 CFR part 51.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

2. Emission Limitations:

Limits are for spray booth and media blasting operations.

A. Visible emissions shall not equal or exceed 20% opacity.

401 KAR 59:010, Section 3(1)(a).

B. Particulate emissions shall not equal or exceed 2.34 lbs/hour.

401 KAR 59:010, Section 3(2).

Compliance Demonstration Method:

If deemed necessary, the Cabinet shall require testing in accordance with 40 CFR 60 Appendix A, Methods 9 and 5 respectively.

Given the description provided for this emission point, compliance with Operating Limitations (A1) – (A3) demonstrates compliance with the above emission limitations unless testing is required.

Toxics Limit for Chromium VI – See Section D

Conditional Major Limit for HAPs – See Section D

Conditional Major Limit for VOC – See Section D

3. Testing Requirements:

A. Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005 section 2(2) and 50:045 section 4.

B. The permittee shall determine the capture efficiency for the permanent total enclosure utilizing the procedure outlined in Method 204 of Appendix M to 40 CFR Part 51.

C. The permittee shall determine the total gaseous organic mass emissions as carbon at the inlet and outlet of the carbon adsorber system outlined in Method 25 of Appendix A to 40 CFR part 60.

See Section G(d)(7)(8)

4. Specific Monitoring Requirements:

A. The following is required as part of compliance demonstration for Emission Limitations A and B:

1. Operating Limitations (A1) and (A2) shall be monitored daily before the unit is operated (on days when a coating is applied).

2. The permittee shall observe opacity at least once per operating week and record results in a log, noting color duration, density (heavy or light), cause and corrective action taken for any abnormal visible emissions.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**4. Specific Monitoring Requirements (Continued):**

- B.** The following is required as part of compliance demonstration for Operating Limitation (B3).
1. The permittee shall observe VOC digital display levels and indicator light conditions daily during times of spraying operations, noting rotometer reading and recording results in a log, noting corrective action taken for any abnormal readings.
 2. The permittee shall inspect and clean the filter and sample distribution box of the VOC sampling system monthly and record results in a log.
 3. The permittee shall inspect the aspirator filter bowl, draining if necessary monthly and record results in a log.
 4. The permittee shall inspect aspirator readings during sampling monthly and note pressure gage and rotometer reading, recording results in a log.
 5. The permittee shall inspect the PID inlet probe assembly quarterly, replacing the white disk filter and recording results in a log.
 6. The permittee shall inspect the PID inlet probe assembly quarterly, replacing the green media insert filter and recording results in a log.
 7. The permittee shall inspect and clean the PID lamp with manufacturer's cleaning kit quarterly, and record results in a log. Note: PID lamp cleaning may be needed more frequently if condensate reaches the PID unit.
 8. The permittee shall replace/clean the Nupro Swagelok sintered stainless steel filter elements in the filter distribution box yearly and record results in a log.

5. Specific Recordkeeping Requirements:

- A.** The following is required as part of compliance demonstration for Emission Limitations A and B:
1. Date and results of filter inspections shall be recorded when monitored.
 2. All maintenance necessary to demonstrate compliance with Operating Limitation (A3) shall be recorded and include date and time.
- B.** The following is required as part of compliance demonstration for Operating Limitations (B1) and (B2):
1. The permittee shall keep daily records of the VOC concentration determined from the hourly sampling by the VOC control system.
 2. The permittee shall maintain at the source for a period of at least 2 years daily records of the amount of solvent recovered by the VOC control system.
 3. See Specific Monitoring Requirements, for further recordkeeping requirements.
- C.** The following is required as part of compliance demonstration for the PTE:
1. The permittee shall keep the records of the data and documentation used to support that the capture system meets the criteria in Method 204 of Appendix M to 40 CFR part 51 for a PTE that has a capture efficiency of 100 percent.

Toxics Limit for Chromium VI – See Section D

Conditional Major Limit on HAPs – See Section D

Conditional Major Limit on VOCs – See Section D

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. **Specific Reporting Requirements:** As part of compliance demonstration for Emission Limitations A and B, reporting requirement 5 in Section F shall be modified to require only a summary of filter replacement, maintenance, and deviations from permit requirements. This shall be done every 6 months and certified by a responsible official as specified in Section F requirement 5. See reporting requirements 6, 7, and 8 from Section F for additional reporting requirements.
Toxics Limit for Chromium VI – See Section D
Conditional Major Limit on HAPs – See Section D
Conditional Major Limit on VOC – See Section D
7. **Specific Control Equipment Operating Conditions:** See Operating Limitations above.
8. **Alternate Operating Scenarios:** NA

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

EP02 (7)

221 D Painting

Description: Two paint booths with three baking ovens to paint small metal parts.

Control Equipment: Columbus Industries filter Model #SI-200PSG

APPLICABLE REGULATIONS:

401 KAR 59:010 – New process operations applicable to each emission unit, which commenced construction on or after July 2, 1975.

401 KAR 63:020 – Potentially Hazardous Matter and Toxic Substance Emissions, applies to the potentially hazardous matter and toxic substance emissions from affected facilities.

1. Operating Limitations:

401 KAR 59:010

The following limits shall apply to assure compliance with Emission Limitations A and B:

- A.** Filters shall be in place at all times when the machine is applying paint.
- B.** Filters shall be replaced when determined to be inefficient (as determined through visual inspection).
- C.** The unit shall be operated and maintained in accordance with the manufacturer's recommendations unless otherwise allowed in this permit.

2. Emission Limitations:

Limits are per spray booth.

- A.** Visible emissions shall not equal or exceed 20% opacity.
401 KAR 59:010, Section 3(1)(a).
- B.** Particulate emissions shall not equal or exceed 2.34 lbs/hour.
401 KAR 59:010, Section 3(2).

Compliance Demonstration Method:

If deemed necessary, the Cabinet shall require testing in accordance with 40 CFR 60 Appendix A, Methods 9 and 5 respectively.

Toxics Limit for Chromium VI – See Section D

Conditional Major Limit on VOC - See Section D

Conditional Major Limit on HAPs - See Section D

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

3. **Testing Requirements:** Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005 section 2(2) and 50:045 section 4. See Specific Monitoring Requirements.
4. **Specific Monitoring Requirements: 401 KAR 59:010**
The following is required as part of compliance demonstration for Emission Limitations A and B:
 - A. Operating Limitations A and B shall be monitored daily before the unit is operated (on days when a coating is applied).
 - B. The permittee shall observe opacity at least once per operating week and record results in a log, noting color, duration, density (heavy or light), cause and corrective action taken for any abnormal visible emissions.
5. **Specific Recordkeeping Requirements:**
401 KAR 59:010
The following is required as part of compliance demonstration for Emission Limitations A and B:
 - A. Date and results of filter inspections shall be recorded when monitored.
 - B. All maintenance necessary to demonstrate compliance with Operating Limitation C shall be recorded and include date and time.

Toxics Limit for Chromium VI – See Section D
Conditional Major Limit on HAPs – See Section D
Conditional Major Limit on VOC – See Section D
6. **Specific Reporting Requirements:** As part of compliance demonstration for Emission Limitations A and B, reporting requirement 5 in Section F shall be modified to require only a summary of filter replacement, maintenance, and deviations from permit requirements. This shall be done every 6 months and certified by a responsible official as specified in Section F requirement 5. See reporting requirements 6, 7, and 8 from Section F for additional reporting requirements.

Toxics Limit for Chromium VI – See Section D
Conditional Major Limit on HAPs – See Section D
Conditional Major Limit on VOC – See Section D
7. **Specific Control Equipment Operating Conditions:** See Operating Limitations above.
8. **Alternate Operating Scenarios:** NA

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

EP03 (14)

3E Drive In Paint Booth

Description: Paint booth used to prime and paint vans and shelters.

Control Equipment: Columbus Industries filter Model #SI-100 PSG

APPLICABLE REGULATIONS:

401 KAR 59:010 – New process operations applicable to each emission unit, which commenced construction on or after July 2, 1975.

401 KAR 63:020 – Potentially Hazardous Matter and Toxic Substance Emissions, applies to the potentially hazardous matter and toxic substance emissions from affected facilities.

1. Operating Limitations:

401 KAR 59:010

The following limits shall apply to assure compliance with Emission Limitations A and B:

- A.** Filters shall be in place at all times when the machine is applying paint.
- B.** Filters shall be replaced when determined to be inefficient (as determined through visual inspection).
- C.** The unit shall be operated and maintained in accordance with the manufacturer's recommendations unless otherwise allowed in this permit.

2. Emission Limitations:

Limits are per spray booth.

- A.** Visible emissions shall not equal or exceed 20% opacity.
401 KAR 59:010, Section 3(1)(a).
- B.** Particulate emissions shall not equal or exceed 2.34 lbs/hour.
401 KAR 59:010, Section 3(2).

Compliance Demonstration Method:

If deemed necessary, the Cabinet shall require testing in accordance with 40 CFR 60 Appendix A, Methods 9 and 5 respectively.

Toxics Limit for Chromium VI – See Section D

Conditional Major Limit on VOC - See Section D

Conditional Major Limit on HAPs - See Section D

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

3. **Testing Requirements:** Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005 section 2(2) and 50:045 section 4. See Specific Monitoring Requirements.
4. **Specific Monitoring Requirements: 401 KAR 59:010**
The following is required as part of compliance demonstration for Emission Limitations A and B:
 - A. Operating Limitations A and B shall be monitored daily before the unit is operated (on days when a coating is applied).
 - B. The permittee shall observe opacity at least once per operating week and record results in a log, noting color, duration, density (heavy or light), cause and corrective action taken for any abnormal visible emissions.
5. **Specific Recordkeeping Requirements:**
401 KAR 59:010
The following is required as part of compliance demonstration for Emission Limitations A and B:
 - A. Date and results of filter inspections shall be recorded when monitored.
 - B. All maintenance necessary to demonstrate compliance with Operating Limitation C shall be recorded and include date and time.

Toxics Limit for Chromium VI – See Section D
Conditional Major Limit on HAPs – See Section D
Conditional Major Limit on VOC – See Section D
6. **Specific Reporting Requirements:** As part of compliance demonstration for Emission Limitations A and B, reporting requirement 5 in Section F shall be modified to require only a summary of filter replacement, maintenance, and deviations from permit requirements. This shall be done every 6 months and certified by a responsible official as specified in Section F requirement 5. See reporting requirements 6, 7, and 8 from Section F for additional reporting requirements.

Toxics Limit for Chromium VI – See Section D
Conditional Major Limit on VOC - See Section D
Conditional Major Limit on HAPs - Section D
7. **Specific Control Equipment Operating Conditions:** See Operating Limitations above.
8. **Alternate Operating Scenarios:** NA

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

EP04 (16)

3B Small Parts Paint Booth

Description: Three station paint booth with two bake ovens.

Control Equipment: Columbus Industries filter

APPLICABLE REGULATIONS:

401 KAR 59:010 – New process operations applicable to each emission unit, which commenced construction on or after July 2, 1975.

401 KAR 63:020 – Potentially Hazardous Matter and Toxic Substance Emissions, applies to the potentially hazardous matter and toxic substance emissions from affected facilities.

1. Operating Limitations:

401 KAR 59:010

The following limits shall apply to assure compliance with Emission Limitations A and B:

- A.** Filters shall be in place at all times when the machine is applying paint.
- B.** Filters shall be replaced when determined to be inefficient (as determined through visual inspection).
- C.** The unit shall be operated and maintained in accordance with the manufacturer's recommendations unless otherwise allowed in this permit.

2. Emission Limitations:

Limits are per spray booth.

- A.** Visible emissions shall not equal or exceed 20% opacity.
401 KAR 59:010, Section 3(1)(a).
- B.** Particulate emissions shall not equal or exceed 2.34 lbs/hour.
401 KAR 59:010, Section 3(2).

Compliance Demonstration Method:

If deemed necessary, the Cabinet shall require testing in accordance with 40 CFR 60 Appendix A, Methods 9 and 5 respectively.

Toxics Limit for Chromium VI – See Section D

Conditional Major Limit on VOC - See Section D

Conditional Major Limit on HAPs - See Section D

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

3. **Testing Requirements:** Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005 section 2(2) and 50:045 section 4. See Specific Monitoring Requirements.
4. **Specific Monitoring Requirements: 401 KAR 59:010**
The following is required as part of compliance demonstration for Emission Limitations A and B:
 - A. Operating Limitations A and B shall be monitored daily before the unit is operated (on days when a coating is applied).
 - B. The permittee shall observe opacity at least once per operating week and record results in a log, noting color, duration, density (heavy or light), cause and corrective action taken for any abnormal visible emissions.
5. **Specific Recordkeeping Requirements:**
401 KAR 59:010
The following is required as part of compliance demonstration for Emission Limitations A and B:
 - A. Date and results of filter inspections shall be recorded when monitored.
 - B. All maintenance necessary to demonstrate compliance with Operating Limitation C shall be recorded and include date and time.**Toxics Limit for Chromium VI – See Section D**
Conditional Major Limit on HAPs – See Section D
Conditional Major Limit on VOC – See Section D
6. **Specific Reporting Requirements:** As part of compliance demonstration for Emission Limitations A and B, reporting requirement 5 in Section F shall be modified to require only a summary of filter replacement, maintenance, and deviations from permit requirements. This shall be done every 6 months and certified by a responsible official as specified in Section F requirement 5. See reporting requirements 6, 7, and 8 from Section F for additional reporting requirements.
Toxics Limit for Chromium VI – See Section D
Conditional Major Limit on VOC - See Section D
Conditional Major Limit on HAPs - See Section D
7. **Specific Control Equipment Operating Conditions:** See Operating Limitations above.
8. **Alternate Operating Scenarios:** NA

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

EP05 (18,18a) 221E, 221F & 3C Blast Cabinets

Description: Hand sandblast cabinets

Control Equipment: Universal Blast Machine cloth back/filter cabinet

APPLICABLE REGULATIONS:

401 KAR 59:010 – New process operations applicable to each emission unit, which commenced construction on or after July 2, 1975.

1. Operating Limitations: NA

2. Emission Limitations:

Limits are per sanding booth.

A. Visible emissions shall not equal or exceed 20% opacity.

401 KAR 59:010, Section 3(1)(a).

B. Particulate emissions shall not equal or exceed 2.34 lbs/hour.

401 KAR 59:010, Section 3(2).

Compliance Demonstration Method:

If deemed necessary, the Cabinet shall require testing in accordance with 40 CFR 60 Appendix A, Methods 9 and 5 respectively.

3. Testing Requirements:

Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005 section 2(2) and 50:045 section 4. See Specific Monitoring Requirements.

4. Specific Monitoring Requirements: 401 KAR 59:010

The permittee shall observe opacity at least once per operating week and record results in a log, noting color, duration, density (heavy or light), cause and corrective action taken for any abnormal visible emissions.

5. Specific Recordkeeping Requirements: NA

6. Specific Reporting Requirements: As part of compliance demonstration for Emission Limitations A and B, reporting requirement 5 in Section F shall be modified to require only a summary of filter replacement, maintenance, and deviations from permit requirements.

This shall be done every 6 months and certified by a responsible official as specified in Section F requirement 5. See reporting requirements 6, 7, and 8 from Section F for additional reporting requirements.

7. Specific Control Equipment Operating Conditions: NA

8. Alternate Operating Scenarios: NA

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

EP06 (19,19a) 3D Large Blasting and Sanding Booths

Description: Three hand sanding units.

Control Equipment: Dust Hog cartridge filters

APPLICABLE REGULATIONS:

401 KAR 59:010 – New process operations applicable to each emission unit, which commenced construction on or after July 2, 1975.

1. Operating Limitations: NA

2. Emission Limitations:

Limits are per sanding booth.

A. Visible emissions shall not equal or exceed 20% opacity.

401 KAR 59:010, Section 3(1)(a).

B. Particulate emissions shall not equal or exceed 2.34 lbs/hour.

401 KAR 59:010, Section 3(2).

Compliance Demonstration Method:

If deemed necessary, the Cabinet shall require testing in accordance with 40 CFR 60 Appendix A, Methods 9 and 5 respectively.

3. Testing Requirements:

Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005 section 2(2) and 50:045 section 4. See Specific Monitoring Requirements.

4. Specific Monitoring Requirements: 401 KAR 59:010

The permittee shall observe opacity at least once per operating week and record results in a log, noting color, duration, density (heavy or light), cause and corrective action taken for any abnormal visible emissions.

5. Specific Recordkeeping Requirements: NA

6. Specific Reporting Requirements: As part of compliance demonstration for Emission Limitations A and B, reporting requirement 5 in Section F shall be modified to require only a summary of filter replacement, maintenance, and deviations from permit requirements. This shall be done every 6 months and certified by a responsible official as specified in Section F requirement 5. See reporting requirements 6, 7, and 8 from Section F for additional reporting requirements.

7. Specific Control Equipment Operating Conditions: NA

8. Alternate Operating Scenarios: NA

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE

REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

EP07 (20)

3C Small Parts Paint Booth

Description: Paint booth and two paint baking ovens

Control Equipment: Columbus Industries shaker filter

Model #SI-100 PSG/SI-45B (two stage)

APPLICABLE REGULATIONS:

401 KAR 59:010 – New process operations applicable to each emission unit, which commenced construction on or after July 2, 1975.

401 KAR 63:020 – Potentially Hazardous Matter and Toxic Substance Emissions, applies to the potentially hazardous matter and toxic substance emissions from affected facilities.

1. Operating Limitations:

401 KAR 59:010

The following limits shall apply to assure compliance with Emission Limitations A and B.

- A. Filters shall be in place at all times when the machine is applying paint.
- B. Filters shall be replaced when determined to be inefficient (as determined through visual inspection).
- C. The unit shall be operated and maintained in accordance with the manufacturer's recommendations unless otherwise allowed in this permit.

2. Emission Limitations:

Limits are per spray booth.

- A. Visible emissions shall not equal or exceed 20% opacity.
401 KAR 59:010, Section 3(1)(a).
- B. Particulate emissions shall not equal or exceed 2.34 lbs/hour.
401 KAR 59:010, Section 3(2).

Compliance Demonstration Method:

If deemed necessary, the Cabinet shall require testing in accordance with 40 CFR 60 Appendix A, Methods 9 and 5 respectively.

Toxics Limit for Chromium VI – See Section D

Conditional Major Limit on VOC - See Section D

Conditional Major Limit on HAPs - See Section D

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

3. **Testing Requirements:** Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005 section 2(2) and 50:045 section 4. See Specific Monitoring Requirements.
4. **Specific Monitoring Requirements: 401 KAR 59:010**
The following is required as part of compliance demonstration for Emission Limitations A and B:
 - A. Operating Limitations A and B shall be monitored daily before the unit is operated (on days when a coating is applied).
 - B. The permittee shall observe opacity at least once per operating week and record results in a log, noting color, duration, density (heavy or light), cause and corrective action taken for any abnormal visible emissions.
5. **Specific Recordkeeping Requirements:**
401 KAR 59:010
The following is required as part of compliance demonstration for Emission Limitations A and B:
 - A. Date and results of filter inspections shall be recorded when monitored.
 - B. All maintenance necessary to demonstrate compliance with Operating Limitation C shall be recorded and include date and time.**Toxics Limit for Chromium VI – See Section D**
Conditional Major Limit on VOC - See Section D
Conditional Major Limit on HAPs - See Section D
6. **Specific Reporting Requirements:** As part of compliance demonstration for Emission Limitations A and B, reporting requirement 5 in Section F shall be modified to require only a summary of filter replacement, maintenance, and deviations from permit requirements. This shall be done every 6 months and certified by a responsible official as specified in Section F requirement 5. See reporting requirements 6, 7, and 8 from Section F for additional reporting requirements.
Toxics Limit on Chromium VI – See Section D
Conditional Major Limit on VOC - See Section D
Conditional Major Limit on HAPs - See Section D
7. **Specific Control Equipment Operating Conditions:** See Operating Limitations above.
8. **Alternate Operating Scenarios:** NA

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE

REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

EP08 (39)

221F Drive In Paint Booth

Description: Drive in paint booth for trucks, vans and large equipment.
Control Equipment: Chemco filter, Model: High Solid I-III

APPLICABLE REGULATIONS:

401 KAR 59:010 – New process operations applicable to each emission unit which commenced construction on or after July 2, 1975.

401 KAR 63:020 – Potentially Hazardous Matter and Toxic Substance Emissions, applies to the potentially hazardous matter and toxic substance emissions from affected facilities.

1. Operating Limitations:

401 KAR 59:010

The following limits shall apply to assure compliance with Emission Limitations A and B:

- A.** Filters shall be in place at all times when the machine is applying paint.
- B.** Filters shall be replaced when determined to be inefficient (as determined through visual inspection).
- C.** The unit shall be operated and maintained in accordance with the manufacturer's recommendations unless otherwise allowed in this permit.

2. Emission Limitations:

Limits are per spray booth.

- A.** Visible emissions shall not equal or exceed 20% opacity.
401 KAR 59:010, Section 3(1)(a).
- B.** Particulate emissions shall not equal or exceed 2.34 lbs/hour.
401 KAR 59:010, Section 3(2).

Compliance Demonstration Method:

If deemed necessary, the Cabinet shall require testing in accordance with 40 CFR 60 Appendix A, Methods 9 and 5 respectively.

Toxics Limit on Chromium VI – See Section D

Conditional Major Limit on VOC - See Section D

Conditional Major Limit on HAPs - See Section D

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

3. **Testing Requirements:** Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005 section 2(2) and 50:045 section 4. See Specific Monitoring Requirements.
4. **Specific Monitoring Requirements: 401 KAR 59:010**
The following is required as part of compliance demonstration for Emission Limitations A and B:
 - A. Operating Limitations A and B shall be monitored daily before the unit is operated (on days when a coating is applied).
 - B. The permittee shall observe opacity at least once per operating week and record results in a log, noting color, duration, density (heavy or light), cause and corrective action taken for any abnormal visible emissions.
5. **Specific Recordkeeping Requirements:**
401 KAR 59:010
The following is required as part of compliance demonstration for Emission Limitations A and B:
 - A. Date and results of filter inspections shall be recorded when monitored.
 - B. All maintenance necessary to demonstrate compliance with Operating Limitation C shall be recorded and include date and time.

Toxics Limit on Chromium VI – See Section D
Conditional Major Limit on VOC - See Section D
Conditional Major Limit on HAPs - See Section D
6. **Specific Reporting Requirements:** As part of compliance demonstration for Emission Limitations A and B, reporting requirement 5 in Section F shall be modified to require only a summary of filter replacement, maintenance, and deviations from permit requirements. This shall be done every 6 months and certified by a responsible official as specified in Section F requirement 5. See reporting requirements 6, 7, and 8 from Section F for additional reporting requirements.

Toxics Limit on Chromium VI – See Section D
Conditional Major Limit on VOC - See Section D
Conditional Major Limit on HAPs - See Section D
7. **Specific Control Equipment Operating Conditions:** See Operating Limitations above.
8. **Alternate Operating Scenarios:** NA

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE

REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

EP09(41)

Building 3 & 5 Boiler

Description: Powermaster/350 HP Boiler # 6635002/NTI Board 2477
Rated Capacity: 14 MMBTU/HR
Fuel: Natural gas
Date installed: July, 1995

APPLICABLE REGULATIONS:

401 KAR 59:015 – New indirect heat exchanger, applicable to each indirect heat exchanger having a heat input capacity of more than 1,000,000 Btu per hour commenced on or after April 9, 1972.

1. **Operating Limitations:** 14.0 MMBTU/HR
2. **Emission Limitations:**
 - A. Particulate emissions shall not exceed 0.42 lb/MMBTU
 - B. Sulfur dioxide emissions shall not exceed 1.81 lb/MMBTU
 - C. Visible emissions shall not exceed 20% opacity

Compliance Demonstration:

The unit shall be deemed to be in compliance when the unit is burning natural gas and the operating limit is met.

Operating Limit (MMBTU/HR) = (MMft³/HR natural gas) x Heat Input (BTU/ft³ natural gas)

3. **Testing Requirements:** Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005 section 2(2) and 50:045 section 4.
4. **Specific Monitoring Requirements:** None
5. **Specific Recordkeeping Requirements:** The permittee shall keep monthly records of the volume of natural gas burned.
6. **Specific Reporting Requirements:** None
7. **Specific Control Equipment Operating Conditions:** None
8. **Alternate Operating Scenarios:** None

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

EP10(38)

Building 220 A Boiler

Description: Two Smith 28A Boilers
Rated Capacity: 6.6 MMBTU/HR
Fuel: Natural gas
Date installed: February, 1995

APPLICABLE REGULATIONS:

401 KAR 59:015 – New indirect heat exchanger, applicable to each indirect heat exchanger having a heat input capacity of more than 1,000,000 Btu per hour commenced on or after April 9, 1972.

1. **Operating Limitations:** 6.6 MMBTU/HR
2. **Emission Limitations:**
 - A. Particulate emissions shall not exceed 0.42 lb/MMBTU
 - B. Sulfur dioxide emissions shall not exceed 1.81 lb/MMBTU
 - C. Visible emissions shall not exceed 20% opacity

Compliance Demonstration:

The unit shall be deemed to be in compliance when the unit is burning natural gas and the operating limit is met.

Operating Limit (MMBTU/HR) = (MMft³/HR natural gas) x Heat Input (BTU/ft³ natural gas)

3. **Testing Requirements:** Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005 section 2(2) and 50:045 section 4.
4. **Specific Monitoring Requirements:** None
5. **Specific Recordkeeping Requirements:** The permittee shall keep monthly records of the volume of natural gas burned.
6. **Specific Reporting Requirements:** None
7. **Specific Control Equipment Operating Conditions:** None
8. **Alternate Operating Scenarios:** None

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

EP11(43)

Building 1 Boiler

Description: Websetter Boiler Model 712 FDA W
Rated Capacity: 3.768 MMBTU/HR
Fuel: Natural gas
Date installed: November, 1995

APPLICABLE REGULATIONS:

401 KAR 59:015 – New indirect heat exchanger, applicable to each indirect heat exchanger having a heat input capacity of more than 1,000,000 Btu per hour commenced on or after April 9, 1972.

1. **Operating Limitations:** 3.768 MMBTU/HR

2. **Emission Limitations:**

A. Particulate emissions shall not exceed 0.42 lb/MMBTU

B. Sulfur dioxide emissions shall not exceed 1.81 lb/MMBTU

C. Visible emissions shall not exceed 20% opacity

Compliance Demonstration:

The unit shall be deemed to be in compliance when the unit is burning natural gas and the operating limit is met.

Operating Limit (MMBTU/HR) = (MMft³/HR natural gas) x Heat Input (BTU/ft³ natural gas)

3. **Testing Requirements:** Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005 section 2(2) and 50:045 section 4.

4. **Specific Monitoring Requirements:** None

5. **Specific Recordkeeping Requirements:** The permittee shall keep monthly records of the volume of natural gas burned.

6. **Specific Reporting Requirements:** None

7. **Specific Control Equipment Operating Conditions:** None

8. **Alternate Operating Scenarios:** None

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

EP12(44)

Building 18 Boiler

Description: Peerless LC-11 Boiler
Rated Capacity: 2.056 MMBTU/HR
Fuel: Natural gas
Date installed: July, 1996

APPLICABLE REGULATIONS:

401 KAR 59:015 – New indirect heat exchanger, applicable to each indirect heat exchanger having a heat input capacity of more than 1,000,000 Btu per hour commenced on or after April 9, 1972.

1. **Operating Limitations:** 2.056 MMBTU/HR

2. **Emission Limitations:**

A. Particulate emissions shall not exceed 0.42 lb/MMBTU

B. Sulfur dioxide emissions shall not exceed 1.81 lb/MMBTU

C. Visible emissions shall not exceed 20% opacity

Compliance Demonstration:

The unit shall be deemed to be in compliance when the unit is burning natural gas and the operating limit is met.

Operating Limit (MMBTU/HR) = (MMft³/HR natural gas) x Heat Input (BTU/ft³ natural gas)

3. **Testing Requirements:** Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005 section 2(2) and 50:045 section 4.

4. **Specific Monitoring Requirements:** None

5. **Specific Recordkeeping Requirements:** The permittee shall keep monthly records of the volume of natural gas burned.

6. **Specific Reporting Requirements:** None

7. **Specific Control Equipment Operating Conditions:** None

8. **Alternate Operating Scenarios:** None

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

EP13(48A) 221 E Generator 00514

Description:

Caterpillar Diesel Fuel-Fired Power Generator Set

Horsepower: 587

BTU input: 1.4 MM BTU/hour

Operating Schedule: 500 hours/year

Date Installed: 1996

1. Operating Limitations:

The maximum operating time for the generator shall not exceed 500 hours in any consecutive 12 months.

2. Emission Limitations:

None

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

The permittee shall monitor the number of hours of operation of the generator.

5. Specific Recordkeeping Requirements:

- a) The permittee shall maintain records of the hours of operation of the generator on a monthly basis.
- b) The permittee shall maintain records of the total hours of operation for the generator on a consecutive twelve (12) month total.

6. Specific Reporting Requirements:

See Section F

7. Specific Control Equipment Operating Conditions: NA

8. Alternate Operating Scenarios: NA

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

EP14(48B) 221 E Generator 90490

Description:

Kado Diesel Fuel-Fired Power Generator Set

Horsepower: 156

BTU input: 0.7 MM BTU/hour

Operating Schedule: 500 hours/year

Date Installed: 1996

1. Operating Limitations:

The maximum operating time for the generator shall not exceed 500 hours in any consecutive 12 months.

2. Emission Limitations:

None

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

The permittee shall monitor the number of hours of operation of the generator.

5. Specific Recordkeeping Requirements:

- a) The permittee shall maintain records of the hours of operation of the generator on a monthly basis.
- b) The permittee shall maintain records of the total hours of operation for the generator on a consecutive twelve (12) month total.

6. Specific Reporting Requirements:

See Section F

7. Specific Control Equipment Operating Conditions: NA

8. Alternate Operating Scenarios: NA

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

EP15(48C) 221 E Generator O3346

Description:

Catepillar Diesel Fuel-Fired Power Generator Set

Horsepower: 587

BTU input: 1.4 MM BTU/hour

Operating Schedule: 500 hours/year

Date Installed: 2000

1. Operating Limitations:

The maximum operating time for the generator shall not exceed 500 hours in any consecutive 12 months.

2. Emission Limitations:

None

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

The permittee shall monitor the number of hours of operation of the generator.

5. Specific Recordkeeping Requirements:

- a) The permittee shall maintain records of the hours of operation of the generator on a monthly basis.
- b) The permittee shall maintain records of the total hours of operation for the generator on a consecutive twelve (12) month total.

6. Specific Reporting Requirements:

See Section F

7. Specific Control Equipment Operating Conditions: NA

8. Alternate Operating Scenarios: NA

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

EP16(48D) 221 E Generator I5227

Description:

Onan Diesel Fuel-Fired Power Generator Set

Horsepower: 600

BTU input: 2.1 MM BTU/hour

Operating Schedule: 500 hours/year

Date Installed: 1996

1. Operating Limitations:

The maximum operating time for the generator shall not exceed 500 hours in any consecutive 12 months.

2. Emission Limitations:

None

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

The permittee shall monitor the number of hours of operation of the generator.

5. Specific Recordkeeping Requirements:

- a) The permittee shall maintain records of the hours of operation of the generator on a monthly basis.
- b) The permittee shall maintain records of the total hours of operation for the generator on a consecutive twelve (12) month total.

6. Specific Reporting Requirements:

See Section F

7. Specific Control Equipment Operating Conditions: NA

8. Alternate Operating Scenarios: NA

SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:030, Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

	<u>Description</u>	<u>Generally Applicable Regulation</u>
1.	3D Metal Photo	NA
2.	3C Iridite Plating Operation	NA
3.	221F Dip Process Tank	NA
4.	221F Large Blasting/Sanding Booth	401 KAR 59:010
5.	3D Small Sanding Booths	401 KAR 59:010
6.	Gasoline Storage Tank Capacity: 10,000 gallon	NA
7.	Diesel Storage Tank Capacity: 1,000 gallon	NA
8.	Kerosene Storage Tank Capacity: 1,000 gallon	NA

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. As required by Section 1b of the material incorporated by reference in 401 KAR 52:030 Section 10, compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.
2. VOC emissions shall not exceed ninety (90) tons during any consecutive twelve (12) month period. Monthly records to demonstrate compliance with this limitation shall be maintained and total VOC emissions shall be reported on a semi-annual basis.

Compliance Demonstration Method:

$$\text{VOC emitted (lbs)} = \Sigma [\text{VOC emissions from paint application and clean-up}]$$

Substitution into the VOC equation will result in the following equation.

$$\begin{aligned} &\text{VOC emitted (lbs)} = \\ &\text{lbs of VOC utilized in paint application and clean-up} \times (1 - \text{VOC control efficiency}) \end{aligned}$$

All emission factors and control efficiencies may be tested (in accordance with Division for Air Quality policy) to obtain values but absent test results or revised EPA emission factors, the following emission factors shall be used to demonstrate compliance.

For Emission Point 1 - Helicopter Paint Booth

VOC control efficiency	=	value determined through testing (assumed to be 0.98 until testing is performed)
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REQUIREMENTS (CONTINUED)

3. The emissions of any individual Hazardous Air Pollutant (HAP) shall not exceed nine (9) tons during any consecutive twelve (12) month period. The emissions of combined HAPs shall not exceed twenty-two and one-half (22.5) tons per year. Monthly records, which demonstrate compliance with this limitation, shall be maintained and total HAP emissions shall be reported on a semi-annual basis.

Compliance Demonstration Method:

For **individual HAP** emissions

$$\begin{aligned} \text{Individual HAP emitted (lbs)} = \\ \Sigma [\text{Individual HAP emitted from paint application and clean-up}] \\ + \Sigma [\text{Individual HAP emitted from sanding/blasting operations}] \end{aligned}$$

Substitution into the individual HAP equation will result in the following equation.

Volatile HAP

$$\text{Individual HAP (lbs)} = \text{lbs of individual HAP utilized in paint application and clean-up} \\ \times (1 - \text{VOC control efficiency})$$

VOC control efficiency may be tested (in accordance with Division for Air Quality policy) to revise the value used to demonstrate compliance.

For Emission Point 1 – Helicopter Paint Booth

$$\text{VOC control efficiency} = \text{value determined through testing (assumed to be 0.98 until testing is performed)}$$

Particulate Matter HAP

$$\text{Individual PM-HAP (lbs)} = \text{lbs of individual PM-HAP utilized in paint application} \\ \times (1 - \text{transfer efficiency}) \times (1 - \text{PM control efficiency}) + \text{lbs of individual PM HAP emitted from sanding/blasting operations}$$

$$\text{Particulate Matter transfer efficiency} = 0.65$$

$$\text{Particulate Matter control efficiency for three stage filter system} = 0.95$$

$$\text{Particulate Matter control efficiency for other systems} = 0.90$$

$$\text{Particulate Matter HAP emitted from sanding/blasting operations} = (\text{weight \% of individual HAP in waste dust}) \times (\text{monthly total lbs of waste dust generated})$$

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

4. The emissions of Chromium VI shall not exceed 6.0 lbs during any consecutive 12-month period. Monthly records, which demonstrate compliance with these limitations, shall be maintained and total Chromium VI emissions shall be reported on a semi-annual basis.

Compliance Demonstration Method:**Chromium VI**

Individual Chromium VI (lbs) = lbs of individual Chromium VI utilized in paint application
x (1- transfer efficiency) x (1- PM control efficiency)

Particulate Matter transfer efficiency = 0.65

Particulate Matter control efficiency for three stage filter system = 0.95

Particulate Matter control efficiency for other systems = 0.90

Specific Recordkeeping Requirements for Conditional Major Limitations and Toxics Limitations:

- 1) The permittee shall maintain monthly records of the purchase and usage of the paints and solvents or any VOC/HAP containing material. The permittee shall also maintain monthly records of the volume of natural gas burned. VOC/HAP emissions shall be calculated and recorded on a *monthly* basis. These records shall be summarized in tons per month VOC/HAP emissions; subsequently, tons of VOC/HAP emissions per rolling 12-month period shall be recorded. In addition, these records shall demonstrate compliance with VOC/HAP emission limitations listed herein for the conditional major limitations. These records, as well as purchase orders and invoices for all VOC/HAP containing materials, shall be maintained on site for a period of five years from the date the data was collected and shall be provided to the Division upon request.
- 2) The permittee shall maintain monthly records of the purchase and usage of the paints containing chromium VI. Chromium VI emissions shall be calculated and recorded on a monthly basis. These records shall be summarized in pounds per month of chromium VI emissions; subsequently, pounds of chromium VI emissions per rolling 12-month period shall be recorded. These records, as well as purchase orders and invoices for all chromium VI containing materials shall be maintained on site for a period of five years from the date the data was collected and shall be provided to the Division upon request.

Specific Reporting Requirements for Conditional Major Limitations and Toxics Limitations:

The permittee shall submit, within 30 days following the end of each calendar half, an emissions calculations worksheet, which utilizes product specific emission factors. These worksheets shall be submitted as a hardcopy and shall serve as the method of determining compliance with this condition.

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

1. Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS

1. Pursuant to Section 1b (IV)(1) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
 - a. Date, place (as defined in this permit), and time of sampling or measurements;
 - b. Analyses performance dates;
 - c. Company or entity that performed analyses;
 - d. Analytical techniques or methods used;
 - e. Analyses results; and
 - f. Operating conditions during time of sampling or measurement.
2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality[401 KAR 52:030 Section 3(1)(f)1a and Section 1a (7) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
3. In accordance with the requirements of 401 KAR 52:030 Section 3(1)f the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
 - a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
 - b. To access and copy any records required by the permit;
 - c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.
4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.
5. Summary reports of any monitoring required by this permit, other than continuous emission or opacity monitors, shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

6. The semi-annual reports are due by January 30th and July 30th of each year. All reports shall be certified by a responsible official pursuant to 401 KAR 52:030 Section 22. All deviations from permit requirements shall be clearly identified in the reports.
7. In accordance with the provisions of 401KAR 50:055, Section 1 the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
 - a. When emissions during any planned shutdowns and ensuing startups will exceed the standards, notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
 - b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall cause written notice upon request.
8. The owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7 above) to the Regional Office listed on the front of this permit within **30 days**. Other deviations from permit requirements shall **be included in the semiannual report required by Section F.5** [Section 1b V(3) and (4) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
9. Pursuant to 401KAR 52:030, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit in accordance with the following requirements:
 - a. Identification of each term or condition;
 - b. Compliance status of each term or condition of the permit;
 - c. Whether compliance was continuous or intermittent;
 - d. The method used for determining the compliance status for the source, currently and over the reporting period.
 - e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

- f. The certification shall be postmarked by January 30th of each year. **Annual compliance certifications should be mailed to the following addresses:**

Division for Air Quality
Frankfort Regional Office
[643 Teton Trail, STE B](#)
[Frankfort, KY 40601](#)

Division for Air Quality
Central Files
803 Schenkel Lane
Frankfort, KY 40601

10. In accordance with 401KAR 52:030, Section 3(1)(d), the permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KEIS emission survey is mailed to the permittee. If a KYEIS emission report is not mailed to the permittee, comply with all other emission reporting requirements in this permit.
11. Pursuant to Section VII (3) of the policy manual of the Division for Air Quality as referenced in 401 KAR 50:016, Section 1(1), results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days after the completion of the fieldwork..
12. The Cabinet may authorize the temporary use of an emission unit to replace a similar unit that is taken off-line for maintenance, if the following conditions are met:
 - a. The owner or operator shall submit to the Cabinet, at least ten (10) days in advance of replacing a unit, the appropriate Forms DEP7007AI to DD that show:
 - i. The size and location of both the original and replacement units; and
 - ii. Any resulting change in emissions;
 - b. The PTE of the replacement unit shall not exceed that of the original unit by more than twenty-five (25) percent of a major source threshold, and the emissions from the unit shall not cause the source to exceed the emissions allowable under the permit;
 - c. The PTE of the replacement unit or the resulting PTE of the source shall not subject the source to a new applicable requirement;
 - d. The replacement unit shall comply with all applicable requirements; and
 - e. The source shall notify Regional office of all shutdowns and start-ups.
 - f. Within six (6) months after installing the replacement unit, the owner or operator shall:
 - i. Re-install the original unit and remove or dismantle the replacement unit; or
 - ii. Submit an application to permit the replacement unit as a permanent change.

SECTION G - GENERAL PROVISIONS**(a) General Compliance Requirements**

1. The permittee shall comply with all conditions of this permit. A noncompliance shall be a violation of 401 KAR 52:030 Section 3(1)(b) and is also a violation of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act). Noncompliance with this permit is grounds for enforcement action including but not limited to the termination, revocation and reissuance, revision, or denial of a permit [Section 1a (2) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
2. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a (5) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
3. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:030 Section 18. The permit will be reopened for cause and revised accordingly under the following circumstances:
 - a. If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:030 Section 12;
 - b. The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
 - c. The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.

4. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or compliance with the conditions of this permit [Sections 1a (6) and (7) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].

SECTION G - GENERAL PROVISIONS (CONTINUED)

5. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to the permitting authority [401 KAR 52:030 Section 7(1)].
6. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a (11) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
7. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a (3) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
8. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens of the United States [Section 1a (12)(b) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
9. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038 Section 3(6) [Section 1a (9) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
10. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:030 Section 11(3)].
11. This permit does not convey property rights or exclusive privileges [Section 1a (8) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
12. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Kentucky Cabinet for Natural Resources and Environmental Protection or any other federal, state, or local agency.
13. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry.
14. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders.

SECTION G - GENERAL PROVISIONS (CONTINUED)

15. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.
16. Permit Shield – A permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of this permit shall be considered compliance with:
 - (a) Applicable requirements that are included and specifically identified in this permit; and
 - (b) Non-applicable requirements expressly identified in this permit.
17. Emission units described in this permit shall demonstrate compliance with applicable requirements if requested by the Division [401 KAR 52:030 Section 3(1)(c)].
18. The authority to operate granted through this permit shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:030 Section 8(2)].

(b) Permit Expiration and Reapplication Requirements

This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:030 Section 12].

(c) Permit Revisions

1. Minor permit revision procedures specified in 401 KAR 52:030 Section 14 (3) may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:030 Section 14 (2).
2. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

SECTION G - GENERAL PROVISIONS (CONTINUED)**(d) Construction, Start-Up, and Initial Compliance Demonstration Requirements**

Helicopter Paint Booth – Emission Point 1

1. Construction of any process and/or air pollution control equipment authorized by this permit shall be conducted and completed only in compliance with the conditions of this permit.
2. Within thirty (30) days following commencement of construction and within fifteen (15) days following start-up and attainment of the maximum production rate specified in the permit application, or within fifteen (15) days following the issuance date of this permit, whichever is later, the permittee shall furnish to the Regional Office listed on the front of this permit in writing, with a copy to the Division's Frankfort Central Office, notification of the following:
 - a. The date when construction commenced.
 - b. The date of start-up of the affected facilities listed in this permit.
 - c. The date when the maximum production rate specified in the permit application was achieved.
3. Pursuant to 401 KAR 52:030, Section 3(2), unless construction is commenced within eighteen (18) months after the permit is issued, or begins but is discontinued for a period of eighteen (18) months or is not completed within a reasonable timeframe then the construction and operating authority granted by this permit for those affected facilities for which construction was not completed shall immediately become invalid. Upon written request, the Cabinet may extend these time periods if the source shows good cause.
4. For those affected facilities for which construction is authorized by this permit, a source shall be allowed to construct with the final permit. Operational or final permit approval is not granted by this permit until compliance with the applicable standards specified herein has been demonstrated pursuant to 401 KAR 50:055. If compliance is not demonstrated within the prescribed timeframe provided in 401 KAR 50:055, the source shall operate thereafter only for the purpose of demonstrating compliance, unless otherwise authorized by Section I of this permit or order of the Cabinet.
5. This permit shall allow time for the initial start-up, operation, and compliance demonstration of the affected facilities listed herein. However, within sixty (60) days after achieving the maximum production rate at which the affected facilities will be operated but not later than 180 days after initial start-up of such facilities, the permittee shall conduct a performance test for the capture and control efficiency on the affected facilities in accordance with 401 KAR 50:055, General compliance requirements. ***These performance tests must also be conducted in accordance with General Provisions G(d)7&8 of this permit and the permittee must furnish to the Division for Air Quality's Frankfort Central Office a written report of the results of such performance test***
6. Terms and conditions in this permit established pursuant to the construction authority of 401 KAR 51:017 or 401 KAR 51:052 shall not expire.

SECTION G - GENERAL PROVISIONS (CONTINUED)**(d) Construction, Start-Up, and Initial Compliance Demonstration Requirements (continued)**

7. Pursuant to Section VII 2.(1) of the policy manual of the Division for Air Quality as referenced by 401 KAR 50:016, Section 1.(1), at least one month prior to the date of the required performance test, the permittee shall complete and return a Compliance Test Protocol (Form DEP 6027) to the Division's Frankfort Central Office. Pursuant to 401 KAR 50:045, Section 5, the Division shall be notified of the actual test date at least ten (10) days prior to the test.
8. Pursuant to Section VII 1.(2 and 3) of the policy manual of the Division for Air Quality as referenced by 401 KAR 50:016, Section 1.(1), if a demonstration of compliance, through performance testing was made at a production rate less than the maximum specified in the application form, then the permittee is only authorized to operate at a rate that is not greater than 110% of the rate demonstrated during performance testing. If and when the facility is capable of operation at the rate specified in the application, compliance must be demonstrated at the new production rate if required by the Division.

e) Acid Rain Program Requirements

1. If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable.

(f) Emergency Provisions

1. Pursuant to 401 KAR 52:030 Section 23(1), an emergency shall constitute an affirmative defense to an action brought for noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or other relevant evidence that:
 - a. An emergency occurred and the permittee can identify the cause of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and,
 - d. The permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division within two (2) working days of the time when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and the corrective actions taken.
2. Notification of the Division does not relieve the source of any other local, state or federal notification requirements.

SECTION G - GENERAL PROVISIONS (CONTINUED)

(f) Emergency Provisions (Continued)

3. Emergency conditions listed in General Provision G(f)1 above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:030 Section 23(3)]
4. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof[401 KAR 52:030 Section 23(2)].

(g) Risk Management Provisions

1. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:

RMP Reporting Center
P.O. Box 3346
Merrifield, VA, 22116-3346

2. If requested, submit additional relevant information to the Division or the U.S. EPA.

(h) Ozone depleting substances

1. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
 - a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
 - b. Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
 - c. Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
 - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166.
 - e. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
 - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
2. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, *Servicing of Motor Vehicle Air Conditioners*.

SECTION H - ALTERNATE OPERATING SCENARIOS

NA

SECTION I - COMPLIANCE SCHEDULE

NA